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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/676,663	10/01/2003	Didier Doyen	PF0202129	PF0202129 8970	
7590 03/21/2006		EXAMINER			
Joseph S. Tripoli			PHAM, TAMMY T		
THOMSON Licensing Inc. Two Independence Way Post Office Box 5312 Princeton, NJ 08540-5312			ART UNIT	PAPER NUMBER	
			2629		
			DATE MAILED: 03/21/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/676,663	DOYEN ET AL.				
Office Action Summary	Examiner	Art Unit				
	Tammy Pham	2675				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1) Responsive to communication(s) filed on 19 No	Responsive to communication(s) filed on 19 November 2004.					
·—	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4)⊠ Claim(s) <u>1-5</u> is/are pending in the application.						
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) 1-5 is/are rejected.						
7) Claim(s) is/are objected to.	•					
8) Claim(s) are subject to restriction and/or						
Application Papers						
9) The specification is objected to by the Examiner.						
10)⊠ The drawing(s) filed on <u>19 November 2004</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
12)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a)⊠ All b)□ Some * c)□ None of:						
<u> </u>	1. ☐ Certified copies of the priority documents have been received.  2. ☐ Certified copies of the priority documents have been received in Application No					
<u> </u>						
<u> </u>	<u> </u>					
	application from the International Bureau (PCT Rule 17.2(a)).					
* See the attached detailed Office action for a list of the certified copies not received.						
Coo and accorded declared Office action for a list of the certified copies not received.						
Attachment(s)						
1) X Notice of References Cited (PTO-892)  4) Interview Summary (PTO-413)						
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Da	te				
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)	• —	atent Application (PTO-152)				
Paper No(s)/Mail Date 6)						

## **DETAILED ACTION**

## Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-5 are rejected under 35 U.S.C. 102(b) as being anticipated by Frazier (US Patent No: 5,081,523).

As for claim 1, Frazier teaches of a method of processing a sequence of video images to be displayed with a cathode ray tube display device, which method is intended to correct the distortions created by the instability of the high voltage circuit of the cathode ray tube during the displaying of the images, the method comprises:

characterizing the distortions created by the cathode ray tube, and

for each image of the sequence to be displayed, calculating the distortions affecting it and generating a precorrected image comprising the inverse distortions in column 5, lines 9-14. The section teaches that the apparatus of Frazier is able to modulates/correct the intensity/distortion.

As for claim 2, Frazier teaches of a method according to claim 1, wherein one of the distortions affecting the displaying of a current image being a global zoom varying as a function of the luminous intensity of the current image the method comprises:

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determining the global zoom created by the cathode ray tube as a function of the luminous intensity of the current image and of that of the previous images in column 6, lines 60-65; and

for each image of the sequence to be displayed, calculating the global zoom affecting the current image and generating a precorrected image by applying the inverse of the global zoom to the current image in column 12, lines 29-50. Where the global zoom will be treated as the intensity and in correcting the image will be treated as applying or calculating the inverse global zoom.

As for claim 3, Frazier teaches of a method according to claim 1, wherein the distortions affecting the displaying of a current image being a global zoom varying as a function of the luminous intensity of the current image and of that of the images which precede it in the sequence to be displayed and a local zoom affecting each line of the current image and varying as a function of the intensity of the line considered and of those of the lines which precede it in the current image, the method comprises:

characterizing the global zoom created by the cathode ray tube as a function of the luminous intensity of the current image and of that of the previous images;

characterizing the local zoom created by the cathode ray tube as a function of the luminous intensity of the line considered and of that of the previous lines in the current image in column 6, lines 65-70; and

calculating the global zoom affecting the current image and the local zooms affecting each of its lines and generating a precorrected image by applying, to the whole image, the

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inverse of the global zoom and, to each of its lines, the inverse of the local zoom calculated for the line considered in column 12, lines 29-50 as explained in claim 2. The apparatus corrects all the intensity, which encompasses the global and local zoom.

As for claim 4, Frazier teaches of a method according to claim 1, wherein the distortions affecting the displaying of a current image being a local zoom affecting each line of the current image and varying as a function of the beam current necessary for displaying the relevant line and the lines which precede it in the current image, the method comprises:

characterizing the local zoom created by the cathode ray tube as a function of the beam current of the cathode ray tube for the relevant line and for the preceding lines in the current image in column 6, lines 65-70; and

calculating the local zooms affecting each of the lines of the current image from measurements of beam current of each of them and generating a precorrected image by applying to each of the lines of the current image the inverse of the local zoom calculated from the relevant line in column 12, lines 29-50 as explained in claim 2.

As for claim 5, Frazier teaches of a method according to claim 1, wherein the method comprises:

characterizing the distortions created by the cathode ray tube for reference images as a function of the tube anode voltages necessary for the display of these images; and

calculating the distortions affecting the current image from measurements of anode voltages necessary for the display of this image and generating a precorrected image comprising Application/Control Number: 10/676,663

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the inverse distortions in column 12, lines 29-50 as explained in claim 2. Where the intensity is

indirectly related to the voltage so in correcting the intensity, one is correcting the voltage.

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Tammy Pham whose telephone number is (571) 272-7773. The

examiner can normally be reached on 8:00-5:30 (Mon-Fri).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Sumati Lefkowitz can be reached on (571) 272-3638. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tammy Pham

March 20, 2006

SUPERVISORY PATENT EXAMINER

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